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## **Claims**

1. A conjugate having the general formula

 $P-(L-NAT)_n$ 

wherein

P represents an N-hydroxypropylmethacrylamide-methacrylate copolymer having a molecular weight of 5-6,000 kDa;

NAT represents a nuclide activation therapy agent;

L represents a linker moiety capable of linking the polymer to the neutron capture therapy agent; and

n represents an integer from 1-1,000.

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- 2. A conjugate as claimed in claim 1, wherein the polymer is a 2-hydroxypropylmethacrylamide-methacrylate copolymer.
- 3. A conjugate as claimed in any preceding claim, wherein the polymer has a molecular weight of 5-100, preferably 10-70, more preferably 15-45, most preferably 20-40 kDa.
  - 4. A conjugate as claimed in any preceding claim, wherein the ratio of hydroxypropylmethacrylamide to methacrylateis from 20:1 to 1:1.
- 5. A conjugate as claimed in any preceding claim, wherein the nuclide activation therapy agent is a neutron capture therapy agent.
  - 6. A conjugate as claimed in claim 5, wherein the neutron capture therapy agent contains at least one nuclide selected from <sup>6</sup>Li, <sup>10</sup>B, <sup>22</sup>Na, <sup>58</sup>Co, <sup>113</sup>Cd, <sup>126</sup>I, <sup>135</sup>Xe, <sup>148m</sup>Pm, <sup>149</sup>Sm, <sup>151</sup>Eu, <sup>155</sup>Gd, <sup>157</sup>Gd, <sup>164</sup>Dy, <sup>184</sup>Os, <sup>199</sup>Hg, <sup>230</sup>Pa, <sup>235</sup>U and <sup>241</sup>Pu in sufficient quantity to undergo a neutron capture reaction.

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7. A conjugate as claimed in claim 6, wherein the nuclide is <sup>10</sup>B.

- 8. A conjugate as claimed in any of claims 5 to 7, wherein NAT represents a boronated amino acid or peptide, a modified carborane cage, a mercaptoborate, a boron-containing porphyrin or phthalocyanine, a boron-containing nucleic acid precursor, or a boron-containing foliate growth factor, hormone, radiation sensitiser, phosphates, phosphonate, phosphoramidates, cyclic thiourea derivative, amine, promazine, hydantoin or barbiturate.
- 9. A conjugate as claimed in any preceding claim, wherein the NAT agent makes up. 1-30%, preferably 5-10%, of the overall mass of the conjugate.
  - 10. A conjugate as claimed in any preceding claim, wherein the linker represents a linear or branched  $C_{1-15}$  alkyl which may be saturated or unsaturated, optionally substituted by carbonyl, amide, hydroxyl or halogen; a peptide, preferably 1-10 amino acids in length, in which the amino acids may be further substituted with amino, thio, carboxyl, carboxamide or imidazole groups; or a covalent bond.
- 11. A conjugate as claimed in any preceding claim, wherein n represents an integer from
  1-500, preferably 1-100, particularly preferably 1-20.
  - 12. A conjugate as claimed in any preceding claim, further comprising a chemotherapeutic agent attached to the polymer via the linker moiety L.
- 25 13. Poly(HPMA-co-MA-GG-BSMel).

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- 14. Poly(HPMA-co-MA-GFLG-BSMel).
- 15. Poly(HPMA-co-MA-Gly-Phe-Leu-Gly-BSMel) Gly-Phe-Leu-Gly-Paclitaxel.
- 16. Poly(HPMA-co-MA-Gly-Phe-Leu-Gly-BSMel) Gly-Phe-Leu-Gly-Doxorubicin.

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17. A pharmaceutical composition containing the conjugate as claimed in any preceding claim.

18. Use of the conjugate as claimed in any of claims 1-16 for the preparation of a medicament for the treatment of cancer.